AEE/BTP/SD/64/23-24

16-5-2023

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No: First and Final Bill — Date.....20

Division: **Byatarayanapura** — Sub-Division: **Byatarayanapura Sub Division** — Indent No: 53018

Bill Received No. — Dated — Divisional / Sub Divisional — Cash Book Voucher No..... Dated.....

Schedule Docket No. — Head of Account: P3726 — **Work Code:** 005-23-000002 — Est.Cost- **40.00 Lakhs**

Name of Work: **Construction of tank and providing pump set for de-watering in flood areas in ward no. 05 Jakkur, Byatarayanapura Sub Division**

Name of Contractor and Full Address : Sri. Chethan P, No 03, 5th Cross Lawrance Layout, Veerannapalya A.C Post Bangalore-45

Reference to Agreement No: BBMP/EE/BTP/WO/71/2022-23 — Date: 18-11-2022

Certified that the measurements were taken by me on 16-05-23 and recorded of Pages 62&401-404 of measurement Book No. 6285/22-23 and that the work is satisfactorily executed.

Chethan P — Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 16/05/2023 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Total	3993000 00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT	39930 00
3)	" Balance	GST	33839 00
4)	Deduct Payment:	SGST	33839 00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	FSD	119790 00
		CESS	39930 00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	CBF	3993 00
		LR	49899 00
		Fine	1780 00
5)	Balance being unpaid value of work done held in reserve.	Ded:	323000 00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Net Payable	36,70,000 00
7)	Net amount due to or from Contractor unadjustments items.		
8)	Advance to Contractor for materials brought to site (as detailed) within.		
9)	Value of Government materials supplied.		

Total amount adjusted -

Chethan P — Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands) P3726 (For use in the Office)

Witness
1.
2.

Chethan P — Signature of Contractor

Dated

Paid by me by Cheque No.....Dated

Cash Rs.....

Dated.....

Initials of Officer making payment

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Zonal Public Works - Pelu Works ರಡಿ ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 3993000 ಗಳನ್ನು ಪಾಸು ಮಾಡಿದ ಪೈಕಿದರಲ್ಲಿ ರೂ. 323000/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 36,70,000 ಗಳನ್ನು

Stamp

RT/NEFT/ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

16/6/23

16/6

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬಾಯನಪುರ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

Executive Engineer

ABSTRACT

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m and as per the directions of the Engineer-in-charge of the work .	Cum	927.69	213.50	198062.00	0.00	213.50	0.00	927.69	213.50	198062.00	927.69	198062.00	
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	9.00	2812.00	25308.00	0.00	2812.00	0.00	9.00	2812.00	25308.00	9.00	25308.00	

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification and as per the direction of Engineer in charge of the work.	Cum	10.76	6105.00	65690.00	0.00	6105.00	0.00	10.76	6105.00	65690.00	10.76	65690.00	
4	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of Engineer in charge of the work. Qty upto 125%	Sqm	92.30	1315.00	121375.00	0.00	1315.00	0.00	92.30	1315.00	121375.00	92.30	121375.00	
	Qty Above 125%	Sqm	18.20	1313.63	23909.00	0.00	1313.63	0.00	18.20	1313.63	23909.00	18.20	23909.00	
5	Providing Flush / Ruled/ Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per the direction of Engineer in charge of the work. Qty upto 125%	Sqm	45.05	151.20	6812.00	0.00	151.20	0.00	45.05	151.20	6812.00	45.05	6812.00	
	Qty Above 125%	Sqm	7.99	149.38	1194.00	0.00	149.38	0.00	7.99	149.38	1194.00	7.99	1194.00	

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
6	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and as per the direction of Engineer in charge of the work.	Cum	7.76	7885.00	61188.00	0.00	7885.00	0.00	7.76	7885.00	61188.00	7.76	61188.00	
	Qty Above 125%	Cum	0.97	7880.44	7645.00	0.00	7880.44	0.00	0.97	7880.44	7645.00	0.97	7645.00	
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and as per the direction of Engineer in charge of the work.	Cum	12.48	6882.00	85888.00	0.00	6882.00	0.00	12.48	6882.00	85888.00	12.48	85888.00	
	Qty Above 125%	Cum	3.14	6882.70	21612.00	0.00	6882.70	0.00	3.14	6882.70	21612.00	3.14	21612.00	

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
8	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and as per the direction of Engineer in charge of the work.	kg	838.88	105.00	88083.00	0.00	105.00	0.00	838.88	105.00	88083.00	838.88	88083.00	
9	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the direction of Engineer in charge of the work. Qty upto 125%	Tonne	0.75	101234.00	75926.00	0.00	101234.00	0.00	0.75	101234.00	75926.00	0.75	75926.00	
	Qty Above 125%	Tonne	0.07	96719.60	6771.00	0.00	96719.60	0.00	0.07	96719.60	6771.00	0.07	6771.00	
10	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete and as per the direction of Engineer in charge of the work. Qty upto 125%	Sqm	25.56	2068.00	52859.00	0.00	2068.00	0.00	25.56	2068.00	52859.00	25.56	52859.00	
11	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete and as per the direction of Engineer in charge of the work.	Sqm	23.68	5029.00	119087.00	0.00	5029.00	0.00	23.68	5029.00	119087.00	23.68	119087.00	
12	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) and as per the direction of Engineer in charge of the work.	Cum	927.69	81.00	75143.00	0.00	81.00	0.00	927.69	81.00	75143.00	927.69	75143.00	

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
13	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km and as per the direction of Engineer in charge of the work. Qty Upto 125%	tkm	1187.44	115.00	136556.00	0.00	115.00	0.00	1187.44	115.00	136556.00	1187.44	136556.00	
14	Providing Lubi make 10 HP 3 Phase dewatering submersible pump with outlet 4"	No	1.00	106365.00	106365.00	0.00	106365.00	0.00	1.00	106365.00	106365.00	1.00	106365.00	
15	Providing 160 mm PVC pipe 6 kg/sqcm	mtr	15.00	898.00	13470.00	0.00	898.00	0.00	15.00	898.00	13470.00	15.00	13470.00	
16	Providing and fixing 160 mm PVC elbow	No	5.00	524.00	2620.00	0.00	524.00	0.00	5.00	524.00	2620.00	5.00	2620.00	
17	Providing and fixing 160 mm PVC collar	No	3.00	369.00	1107.00	0.00	369.00	0.00	3.00	369.00	1107.00	3.00	1107.00	
18	Provding and fixing 160 mm PVC ball wall	No	2.00	4343.00	8686.00	0.00	4343.00	0.00	2.00	4343.00	8686.00	2.00	8686.00	
19	Providing and fixing MS gate of size 0.6x0.6 mtr	No	1.00	8986.00	8986.00	0.00	8986.00	0.00	1.00	8986.00	8986.00	1.00	8986.00	
20	Providing MS cover with frame of size 0.9x0.9 mtr	No	1.00	7988.00	7988.00	0.00	7988.00	0.00	1.00	7988.00	7988.00	1.00	7988.00	
21	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS - 3975 4 core 16sqmm	Rmtr	18.00	149.00	2682.00	0.00	149.00	0.00	18.00	149.00	2682.00	18.00	2682.00	
22	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm.	Rmtr	18.00	11.00	198.00	0.00	11.00	0.00	18.00	11.00	198.00	18.00	198.00	
23	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtr	18.00	241.00	4338.00	0.00	241.00	0.00	18.00	241.00	4338.00	18.00	4338.00	
24	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	1.00	8627.00	8627.00	0.00	8627.00	0.00	1.00	8627.00	8627.00	1.00	8627.00	

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
25	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cIA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	Sqcm	22000.00	0.37	8140.00	0.00	0.37	0.00	22000.00	0.37	8140.00	22000.00	8140.00	
26	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	No	1.00	1388.00	1388.00	0.00	1388.00	0.00	1.00	1388.00	1388.00	1.00	1388.00	
27	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead Qty Upto 125%	Sqm	522.31	4.30	2246.00	0.00	4.30	0.00	522.31	4.30	2246.00	522.31	2246.00	
28	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work Qty Upto 125%	Cum	52.24	120.70	6306.00	0.00	120.70	0.00	52.24	120.70	6306.00	52.24	6306.00	

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
29	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per clause 401 B.Place Mix Method (v) For Grading -V Material Qty Upto 125%	Cum	78.35	2457.00	192506.00	0.00	2457.00	0.00	78.35	2457.00	192506.00	78.35	192506.00	
30	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density Qty Upto 125%	Cum	130.59	2633.00	343844.00	0.00	2633.00	0.00	130.59	2633.00	343844.00	130.59	343844.00	
31	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. Qty Upto 125%	Sqm	522.31	48.30	25228.00	0.00	48.30	0.00	522.31	48.30	25228.00	522.31	25228.00	
32	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom. Qty Upto 125%	Sqm	1417.55	13.00	18429.00	0.00	13.00	0.00	1417.55	13.00	18429.00	1417.55	18429.00	
33	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects Qty Upto 125%	Cum	26.13	10875.00	284164.00	0.00	10875.00	0.00	26.13	10875.00	284164.00	26.13	284164.00	

Sl. No.	Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
34	Providing and laying Bituminous Concrete with not less than 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4.78% Bitumen and waste plastic 8% of Bitumen of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects and as per the direction of Engineer in charge of the work. Qty Upto 125%	Cum	45.00	11740.00	528300.00	0.00	11740.00	0.00	45.00	11740.00	528300.00	45.00	528300.00	
	Qty Above 125%	Cum	11.71	11064.78	129569.00	0.00	11064.78	0.00	11.71	11064.78	129569.00	11.71	129569.00	
35	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Kg	0.00	118.50	0.00	0.00	118.50	0.00	0.00	118.50	0.00	0.00	0.00	

Description of Work	Unit	As Per Modifed Schedule-B			Previous Measurement			Present Measurement			Upto Date		Remarks
		Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	
iding and laying in position Reinforced ent concrete for all Sub structures of ing, Irrigation works, Sub structure s of bridges, Drain works & other llel works from 0.50m to 3.50 m height granite/trap/basalt crushed graded se aggregates and fine aggregates as elevant IS Codes machine mixed with r plasticisers, laid in layers, well pacted using needle vibrators, iding weep holes wherever necesary, iding all lead & lifts, cost of all materials iality, confirming to the requirements of vant IS codes, labour, Usage charges of hinery, curing and all other irtenances required to complete the as per technical specifications. M20 cost of steel reinforcement & work to be paid separately) and as per lirection of Engineer in charge of the c.	Cum	77.22	6554.95	506174.00	0.00	6554.95	0.00	77.22	6554.95	506174.00	77.22	506174.00	
Sub Total				3384469.00	-	-	-			3384469.00		3384469.00	
18% GST				609205.00	-	-	-			609205.00		609205.00	
TOTAL AMOUNT				3993674.00	-	-	-			3993674.00		3993674.00	

Round off 3993000.00 3993000.00

ification

e Work executed by the contractor is found satisfactory
ne contractor has removed the debris from the work spot
nereare no departmental issues for this work

Chitharu.P

Contractor

Assistant Engineer

Assistant Executive Engineer

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24